

AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning with “Fig. 33 is a perspective view...” at page 21, with the following amended paragraph:

Fig. 33 is a perspective view of a portable terminal device in which the image display device of a nineteenth embodiment of the invention is mounted; and

Please replace the paragraph beginning with “Fig. 34 is a diagram of the optical model...” which spans pages 21-22 with the following amended paragraph:

Fig. 34 is a diagram of the optical model illustrating the operation of an image display device in the nineteenth embodiment of the invention;

Please insert the following new paragraphs after the paragraph beginning with “Fig. 34 is a diagram of the optical model...” which spans pages 21-22:

Fig. 35 is a top view showing the three-dimensional image display device according to an exemplary embodiment of the present invention;

Fig. 36 is a top views showing the three-dimensional image display device according to another exemplary embodiment of the present invention;

Fig. 37 is a top view showing the three-dimensional image display device according to another exemplary embodiment of the present invention;

Fig. 38 is a top view showing the three-dimensional image display device according to another exemplary embodiment of the present invention; and

Fig. 39 is a top view showing the three-dimensional image display device according to still another exemplary embodiment of the present invention.

Please replace the paragraph beginning with “Although the three-dimensional image...” at page 28, with the following amended paragraph:

Although the three-dimensional image display device in which the lenticular lens 2 is used was described in the embodiment, the invention is not limited to the three-dimensional image display device in which the lenticular lens 2 is used. For example, the fly-eye lens in which the usual convex lenses are arrayed in a matrix can be also used. Fig. 10 is the perspective view showing the fly-eye lens where the convex lenses have the same lens pitch in both the longitudinal and the lateral direction. However, it is also possible to have a fly-eye lens where the convex lenses have different pitches in the horizontal and lateral directions. For example, the fly-eye lens may have a lens pitch in the longitudinal direction which is larger than the lens pitch in a lateral direction. The four different images can be displayed in four directions of horizontal directions and vertical directions by using a fly-eye lens 35 shown in Fig. 10 as the optical unit. Fig. 35 shows a three-dimensional image display device using this configuration. The three-dimensional display device 1 includes a liquid crystal display panel 3. The fixing unit 4 is provided on a side in a lateral direction of a fly-eye lens 35 and extends along a side edge in a longitudinal direction of the fly-eye lens 35. The fly-eye lens 35 is longitudinally long (in which a lens pitch in the longitudinal direction is larger than the lens pitch in a lateral direction).

Please insert the following new paragraph after the paragraph beginning with “Although the three-dimensional image...” on page 28:

Figs. 38 and 39 each show a three-dimensional image display device 1 having a liquid crystal display panel 3. In both Figs. 38 and 39, the fly-eye lens 35 has convex lenses in which the lens pitch in the longitudinal direction and the lens pitch in the lateral direction are equal to each other (i.e. grid-like squares in the figure). Fig. 38 shows the fixing unit 4 provided along the short side of the fly-eye lens 35 in which the lens pitch in the longitudinal and lateral directions are equal. Fig. 39 shows the fixing unit 4 provided along a side orthogonal to the short side of the fly-eye lens 35 in which the lens pitch in the longitudinal and lateral directions are equal.

Please replace the paragraph beginning with “The three-dimensional image display device...” spanning page 45-46, with the following amended paragraph:

The three-dimensional image display device according to a ninth embodiment of the invention will be described below. Fig. 20 is the top view showing the three-dimensional image display device according to the ninth embodiment of the invention. A three-dimensional image display device 14 of the embodiment is one in which the fixing unit is also provided not only in the longitudinal direction of the cylindrical lens but also in the direction orthogonal to the longitudinal direction of the cylindrical lens. As shown in Fig. 20, the transmissive liquid crystal display panel 3 and the lenticular lens 2 are provided in the three-dimensional image display device 14 of the embodiment. The lenticular lens 2 is fixed to the liquid crystal display panel 3 so that the surface in which the cylindrical lens is formed faces the side of the liquid crystal

display panel 3. Similarly to the three-dimensional image display device 1 of the first embodiment shown in Fig. 5, each of the markers 21 for lens having the shape shown in Fig. 8 is provided in the four corners of the lenticular lens 2. Each of the markers 31 for display panel having the shape shown in Fig. 8 is provided at the position where the marker 31 for display panel is matched to the marker 21 for lens of the liquid crystal display panel 3. Fixing unit 4a is provided along the side extending in the longitudinal direction of the cylindrical lens on the side of the cylindrical lens of the lenticular lens 2, and fixing unit 4b is provided along the side extending in the direction orthogonal to the longitudinal direction of the cylindrical lens. Fig. 36 more clearly shows the fixing unit provided along a side extending in a direction orthogonal to the longitudinal direction of the cylindrical lens. With reference to Fig. 36, a three-dimensional image display device 1 is shown having a liquid crystal display panel 3. The lenticular lens 2 has the fixing unit 4 provided along a side in a direction in which the lens is arranged (lateral direction in this figure), i.e. along the upper side in the figure.

Please insert the following new paragraph before the paragraph beginning with “The operation of the three-dimensional image...” on page 46:

As repeatedly noted above, the three-dimensional image display device is not limited to the lenticular lens, and can also be used with a fly-eye lens. Fig. 37 illustrates a three-dimensional image display device 1 having a liquid crystal display panel 3 where the fixing unit 4 is provided along a side extending in a direction orthogonal to the longitudinal direction of a fly-eye lens 35.